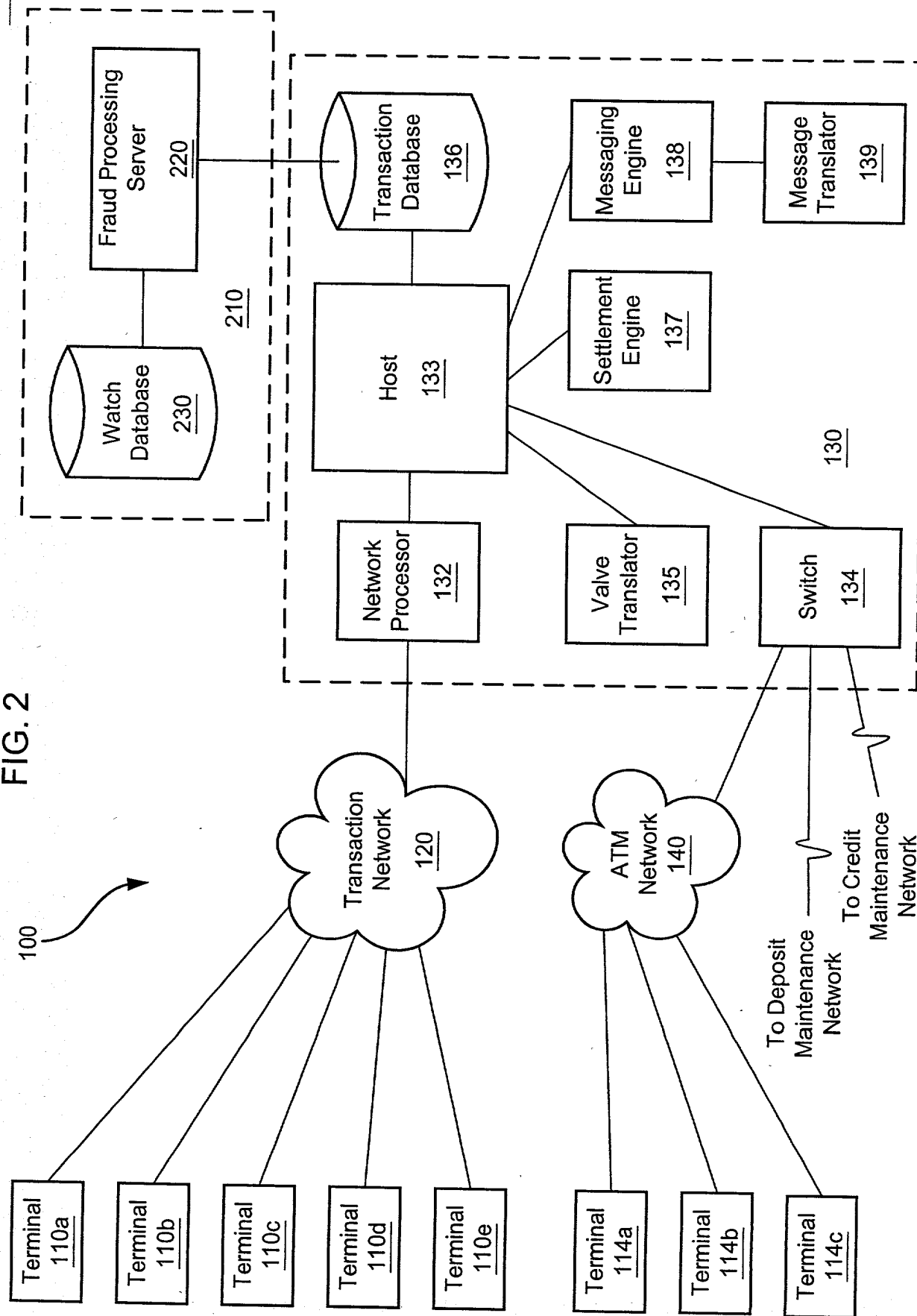


FIG. 1

100



300

DATA	RECORD 1	RECORD 2	RECORD 3	RECORD 4	RECORD 5	RECORD 6
sNameLast	Nelson	Johnson	Nelson	Smart	Nelson	Nelson
sNameMiddle	M.	Sam	Bertha		Mark	
sNameFirst	Jack	Bob	Sally	Edna	Jack	Jack
sPhone	1111111111	1111111111	2222222222	3333333333	1111199999	1111188888
sAddress	1411 XYZ Lane	911 PDQ Lane	345 GQ Lane	234 Washington St.	348 Cherry St.	987 Villa Row
sAgentType	CS	CS	CS	CS	PC	PC
sAgentNumber	234567	234569	876512	987651	123456	654321
sDate	01/18/2002	01/18/2002	01/18/2002	01/19/2002	01/18/2002	01/18/2002
sAmountIn	4999	4999	765	3999	1000	100
sValueTypeIn	Dollars	Dollars	Dollars	Dollars	Dollars	Dollars
TransactionCost	20	20	20	20	20	20
rNameLast	Smart	Smart	Character	Smith	Fix	Rose
rNameMiddle	P.			B.		
rNameFirst	Edna	Edna	Bert	John	Needmy	Kevin
rPhone	3333333333	3333333333	7865786578	1414141414	6543897000	546784444
rAddress	1567 Jackson St.	1567 Jackson St.	1 Sesame St.	1212 Middle East	34 Badpart St.	56 Greenwich
rAgentType	CS	CS	ATM	BANK	CS	CS
rAgentNumber	987651	987652	900000	765410	154300	432890
rDate	1/19/2002	1/19/2002	1/19/2002	1/21/2002	1/19/2002	1/19/2002
rAmountOut	4999	4999	765	14986	1000	100
rValueTypeOut	Dollars	Dollars	Dollars	SA Riyals	Dollars	Dollars

FIG. 3a

FIG. 3b is a schematic diagram of a data structure 300. The data structure 300 is a table with five columns labeled RECORD 7, RECORD 8, RECORD 9, and RECORD 10. The first column, RECORD 7, contains the following data: Smart, Betty, 3333333333, 5251 Estes Wy., Kiosk, 908756, 01/19/2002, 4999, Dollars, 20, Smith, B., John, 5656565656, 1212 Middle East, BANK, 765410, 1/21/2002, 18746, SA Riyals. The second column, RECORD 8, contains: Jones, Larry, Ed, 5555555554, 124 Illinois Ave., CS, 765432, 01/18/2002, 456, Dollars, 20, Corporation, Sales, 76543210, 50 NY St., MT, 765432, 1/18/2002, 456, Dollars. The third column, RECORD 9, contains: Jones, Larry, Edward, 6666666666, 3641 Frederick St., ATM, 876543, 01/21/2002, 2500, Dollars, Corporation, Sales, 76543210, 50 NY St., MT, 876543, 1/21/2002, 2500, Dollars. The fourth column, RECORD 10, contains: Nielson, Karrie, Jackson, 1111188888, 867 Indiana Ave., Kiosk, 645867, 01/18/2002, 500, Dollars, Smith, B., John, 5678123465, 1212 Middle East, BANK, 765410, 1/21/2002, 1775, SA Riyals. The data structure 300 is divided into two sections, A and B, by a dashed line. Section A contains the first four columns, and Section B contains the last four columns. The data structure 300 is also divided into two sections, A and B, by a dashed line. Section A contains the first four columns, and Section B contains the last four columns.

300

RECORD 7	RECORD 8	RECORD 9	RECORD 10
Smart	Jones	Jones	Nielson
Betty	Larry	Larry	Karrie
3333333333	Ed	Edward	Jackson
5251 Estes Wy.	5555555554	6666666666	1111188888
Kiosk	124 Illinois Ave.	3641 Frederick St.	867 Indiana Ave.
908756	CS	ATM	Kiosk
01/19/2002	765432	876543	645867
4999	01/18/2002	01/21/2002	01/18/2002
Dollars	456	2500	500
20	Dollars	Dollars	Dollars
Smith	20	20	20
B.	Corporation	Corporation	Smith
John	Sales	Sales	B.
5656565656	76543210	76543210	John
1212 Middle East	50 NY St.	50 NY St.	5678123465
BANK	MT	MT	1212 Middle East
765410	765432	876543	BANK
1/21/2002	1/18/2002	1/21/2002	765410
18746	456	2500	1/21/2002
SA Riyals	Dollars	Dollars	1775
			SA Riyals

B

A

FIG. 3b

400

DATA	RECORD 1	RECORD 2	RECORD 3	RECORD 4	RECORD 5	RECORD 6
sNameLast	Nelson	Johnson	Nelson	Smart	Nelsen	Nelson
sNameFirst	Jack	Bob	Sally	Edna	Jack	Jack
sPhone	1111111111	1111111111	2222222222	3333333333	111199999	111188888
sAgentNumber	234567	234569	876512	987651	123456	654321
sDate	01/18/2002	01/18/2002	01/18/2002	01/19/2002	01/18/2002	01/18/2002
rNameLast	Smart	Smart	Character	Smith	Fix	Rose
rNameFirst	Edna	Edna	Bert	John	Needmy	Kevin
rPhone	3333333333	3333333333	7865786578	1414141414	6543897000	546784444
rAgentNumber	987651	987652	900000	765410	154300	432890

FIG. 4a

400

RECORD 7	RECORD 8	RECORD 9	RECORD 10
Smart	Jones	Jones	Nielson
Betty	Ed	Edward	Jackson
3333333333	5555555554	6666666666	111188888
908756	765432	876543	645867
01/19/2002	01/18/2002	01/21/2002	01/18/2002
Smith	Corporation	Corporation	Smith
John	Sales	Sales	John
5656565656	76543210	76543210	5467812345
765410	765432	876543	765410

FIG. 4b

500a

Reference Designator	NameLast	NameFirst	Phone	MasterLocationIn	MasterLocationOut	TimeStamp
000000001	Alexander	John	7680000000	84604	14850	1/15/2002
	Jones	Edward	5555555555			

FIG. 5

500b

Reference Designator	NameLast	NameFirst	Phone	MasterLocationIn	MasterLocationOut	TimeStamp
000000001	Alexander	John	5555555555	84604	14850	1/15/2002
	Jones	Edward				

FIG. 6

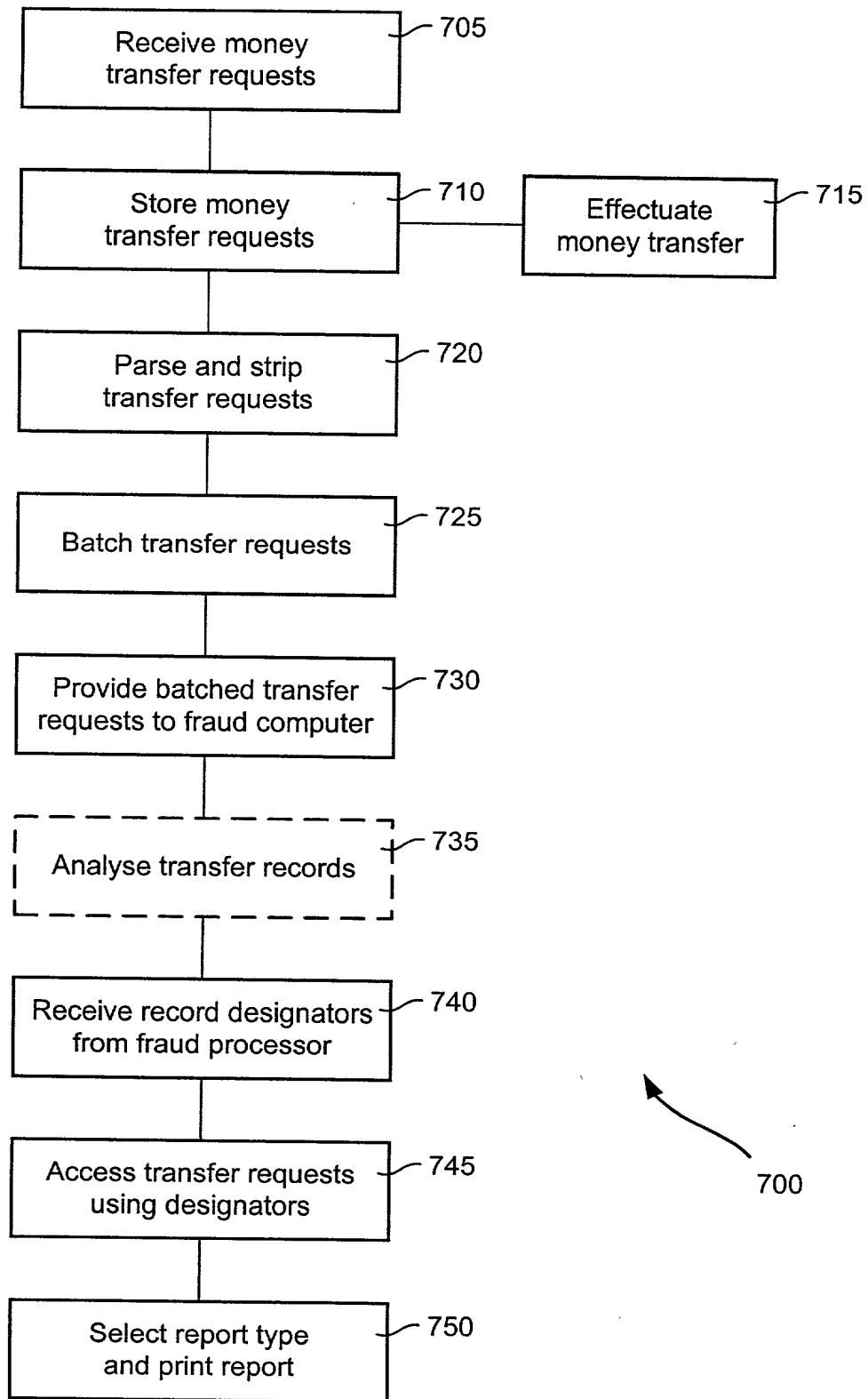


FIG. 7a

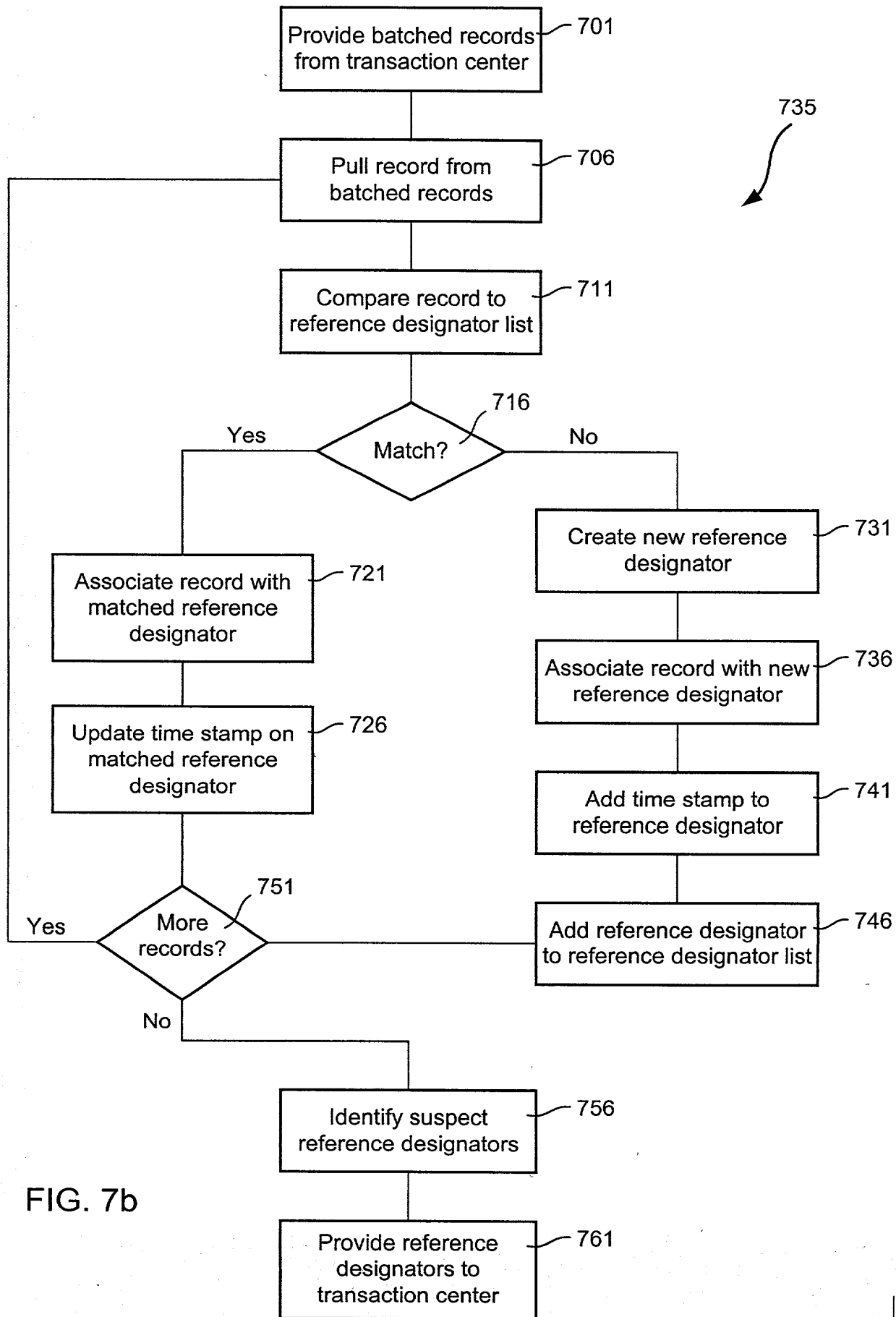


FIG. 7b

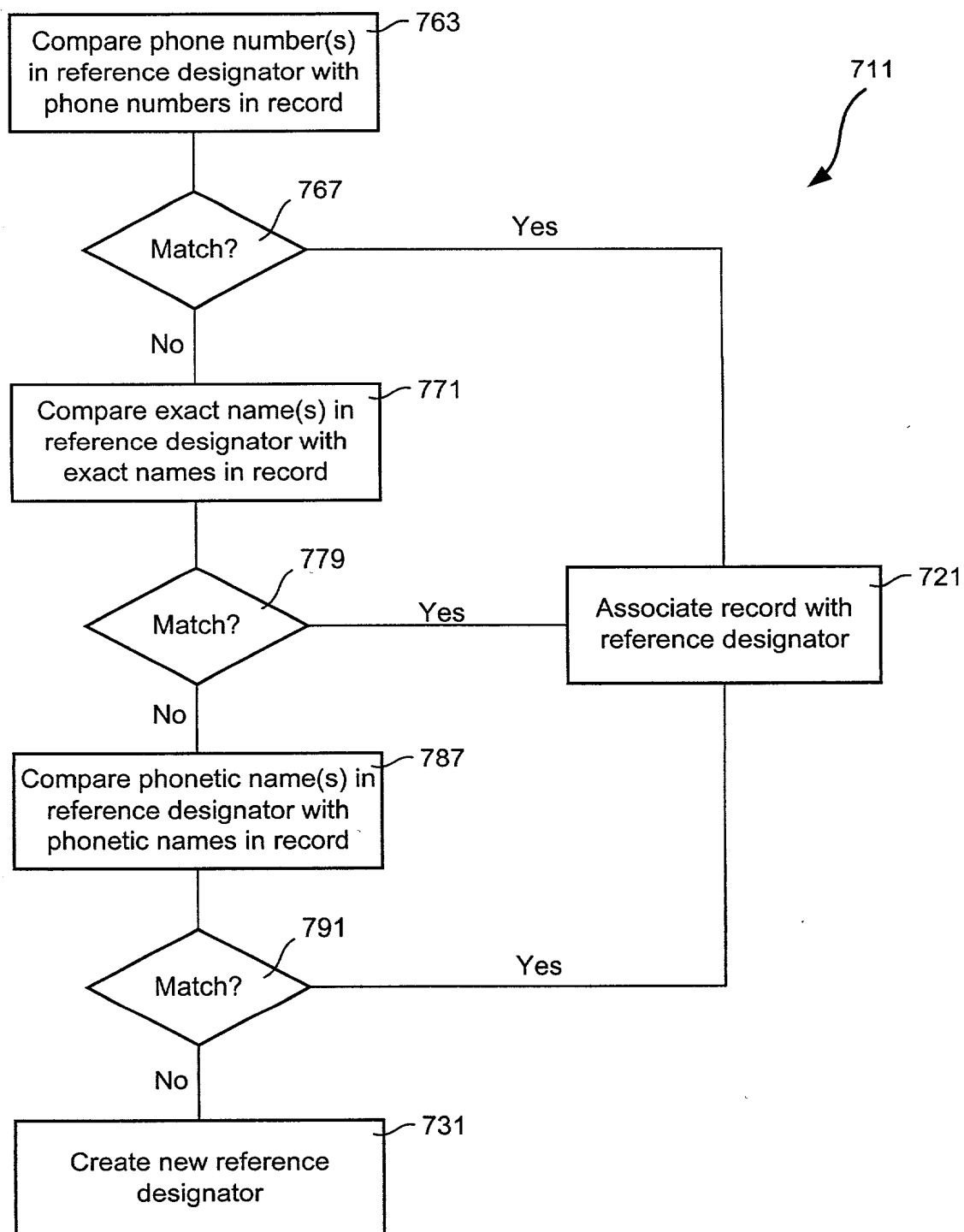


FIG. 7c

500e

Reference Designator Number	NameLast	NameFirst	Phone	MasterLocationIn	MasterLocationOut	TimeStamp
555a	Alexander (R0)	John (R0)	7680000000 (R0)	84604 (R0)	14850 (R0)	01/15/2002
	Jones (R0)	Edward (R0)	5555555555 (R0)			
	Nelsen (R1)	Jack (R1)	1111111111 (R1, R2)	76543 (R1, R2)	89004 (R1, R2)	01/18/2002
810b	Smart (R1, R2)	Edna (R1, R2)	3333333333 (R1)			
	Johnson (R2)	Bob (R2)				
	Nelson (R3)	Sally (R3)	2222222222 (R3)	865434 (R3)	000102 (R3)	01/18/2002
820	Character (R3)	Bert (R3)	7865786578 (R3)			

FIG. 8c

500f

Reference Designator Number	NameLast	NameFirst	Phone	MasterLocationIn	MasterLocationOut	TimeStamp
555a	Alexander (R0)	John (R0)	7680000000 (R0)	84604 (R0)	14850 (R0)	01/15/2002
	Jones (R0)	Edward (R0)	5555555555 (R0)			
	Nelsen (R1)	Jack (R1)	1111111111 (R1, R2)	76543 (R1, R2)	89004 (R1, R2)	01/19/2002
810c	Smart (R1)	Edna (R1)	3333333333 (R1, R4)	89004 (R4)	SA (R4)	
	Johnson (R2)	Bob (R2)	1414141414 (R4)			
	Smith (R4)	John (R4)				
820	Nelson (R3)	Sally (R3)	2222222222 (R3)	865434 (R3)	000102 (R3)	01/18/2002
	Character (R3)	Bert (R3)	7865786578 (R3)			

FIG. 8d

FIG. 8e is a schematic diagram of a data structure 850, which is a table or database. The table has five columns: Reference Designator Number, NameLast, NameFirst, Phone, MasterLocationIn, MasterLocationOut, and TimeStamp. The table contains three rows of data. The first row is associated with Reference Designator Number 000000001 and is labeled 555a. The second row is associated with Reference Designator Number 000000002 and is labeled 810d. The third row is associated with Reference Designator Number 000000003 and is labeled 820. The table is part of a system 850, which is also labeled 855 and 857. A weight of 500g is indicated near the top of the diagram.

500g

Reference Designator Number	NameLast	NameFirst	Phone	MasterLocationIn	MasterLocationOut	TimeStamp
000000001	Alexander (R0)	John (R0)	7680000000 (R0)	84604 (R0)	14850 (R0)	01/15/2002
	Jones (R0)	Edward (R0)	5555555555 (R0)			
000000002	Nelson (R1)	Jack (R1,R2)	1111111111 (R1,R2)	76543 (R1, R2) 89004 (R4) 87600 (R5)	89004 (R1, R2) SA (R4) 76500 (R5)	01/19/2002
	Nelsen (R5)		3333333333 (R1,R4)			
	Smart (R1)	Edna (R1)	1414141414 (R4)			
	Johnson (R2)	Bob (R2)	1111999999 (R5)			
	Smith (R4)	John (R4)	6543897000 (R5)			
	Fix (R5)	Needmy (R5)				
000000003	Nelson (R3)	Sally (R3)	2222222222 (R3)	865434 (R3)	000102 (R3)	01/18/2002
	Character (R3)	Bert (R3)	7865786578 (R3)			

FIG. 8e

Reference Designator Number	NameLast	NameFirst	Phone	MasterLocationIn	MasterLocationOut	TimeStamp
000000001	Alexander (R0)	John (R0)	7680000000 (R0)	84604 (R0)	14850 (R0)	01/15/2002
	Jones (R0)	Edward (R0)	5555555555 (R0)			
	Nelson (R1,R6)	Jack (R1,R2,R6)	1111111111 (R1,R2)	76543 (R1, R2)	89004 (R1, R2)	01/19/2002
	Nelsen (R5)		3333333333 (R1,R4)	89004 (R4)	SA (R4)	
	Smart (R1)	Edna (R1)	1414141414 (R4)	87600 (R5)	76500 (R5)	
000000002	Johnson (R2)	Bob (R2)	1111999999 (R5)	78950 (R6)	09876 (R6)	01/18/2002
	Smith (R4)	John (R4)	6543897000 (R5)			
	Fix (R5)	Needmy (R5)	1111188888 (R6)			
	Rose (R6)	Kevin (R6)	5467844444 (R6)			
	Nelson (R3)	Sally (R3)	2222222222 (R3)	865434 (R3)	000102 (R3)	
000000003	Character (R3)	Bert (R3)	7865786578 (R3)			

FIG. 8f

853

500h

820

FIG. 8h

Reference Designator Number	NameLast	NameFirst	Phone	MasterLocationIn	MasterLocationOut	TimeStamp
000000001	Alexander (R0)	John (R0)	7680000000 (R0)	84604 (R0,R8)	14850 (R0,R8,R9)	01/19/2002
	Corporation (R8)	Sales (R8)	5555555555 (R0)	34576 (R9)		
	Jones (R0,R8,R9)	Edward (R0,R9)	5555555554 (R8)			
		Ed (R8)	76543210 (R8,R9)			
000000002	Nelson (R1,R6)	Jack (R1,R5,R6)	1111111111 (R1,R2)	76543 (R1, R2)	89004 (R1, R2)	01/19/2002
	Nelsen (R5)		3333333333 (R1,R4,R7)	89004 (R4)	SA (R4)	
	Smart (R1)	Edna (R1)	1414141414 (R4)	87600 (R5)	76500 (R5)	
		Betty (R7)	1111999999 (R5)	78950 (R6)	09876 (R6)	
	Johnson (R2)	Bob (R2)	6543897000 (R5)			
	Smith (R4)	John (R4)	1111188888 (R6)			
	Fix (R5)	Needmy (R5)	5467844444 (R6)			
	Rose (R6)	Kevin (R6)	5656565656 (R7)			
000000003	Nelson (R3)	Sally (R3)	2222222222 (R3)	865434 (R3)	000102 (R3)	01/18/2002
	Character (R3)	Bert (R3)	7865786578 (R3)			

FIG. 8k

Reference Designator Number	NameLast	NameFirst	Phone	MasterLocationIn	MasterLocationOut	TimeStamp
000000001	Alexander (R0)	John (R0)	7680000000 (R0)	84604 (R0,R8)	14850 (R0,R8,R9)	01/19/2002
	Corporation (R8)	Sales (R8)	5555555555 (R0)	34576 (R9)		
	Jones (R0,R8,R9)	Edward (R0,R9)	5555555554 (R8)			
		Ed (R8)	76543210 (R8,R9)			
000000002	Nelson (R1,R6)	Jack (R1,R5,R6)	6666666666 (R9)			
	Nelsen (R5)		1111111111 (R1,R2)	76543 (R1, R2)	89004 (R1, R2)	01/19/2002
	Smart (R1)	Edna (R1)	3333333333 (R1,R4,R7)	89004 (R4)	SA (R4, R7,R10)	
		Betty (R7)	1414141414 (R4)	87600 (R5)	76500 (R5)	
	Johnson (R2)	Bob (R2)	1111999999 (R5)	78950 (R6,R10)	09876 (R6)	
	Smith (R4)	John (R4)	6543897000 (R5)			
	Fix (R5)	Needmy (R5)	1111188888 (R6,R10)			
	Rose (R6)	Kevin (R6)	5467844444 (R6)			
000000003	Nielson (R10)	Jackson (R10)	5656565656 (R7)			
	Nelson (R3)	Sally (R3)	5678123465 (R10)			
	Character (R3)	Bert (R3)	2222222222 (R3)	865434 (R3)	000102 (R3)	01/18/2002

FIG. 8m

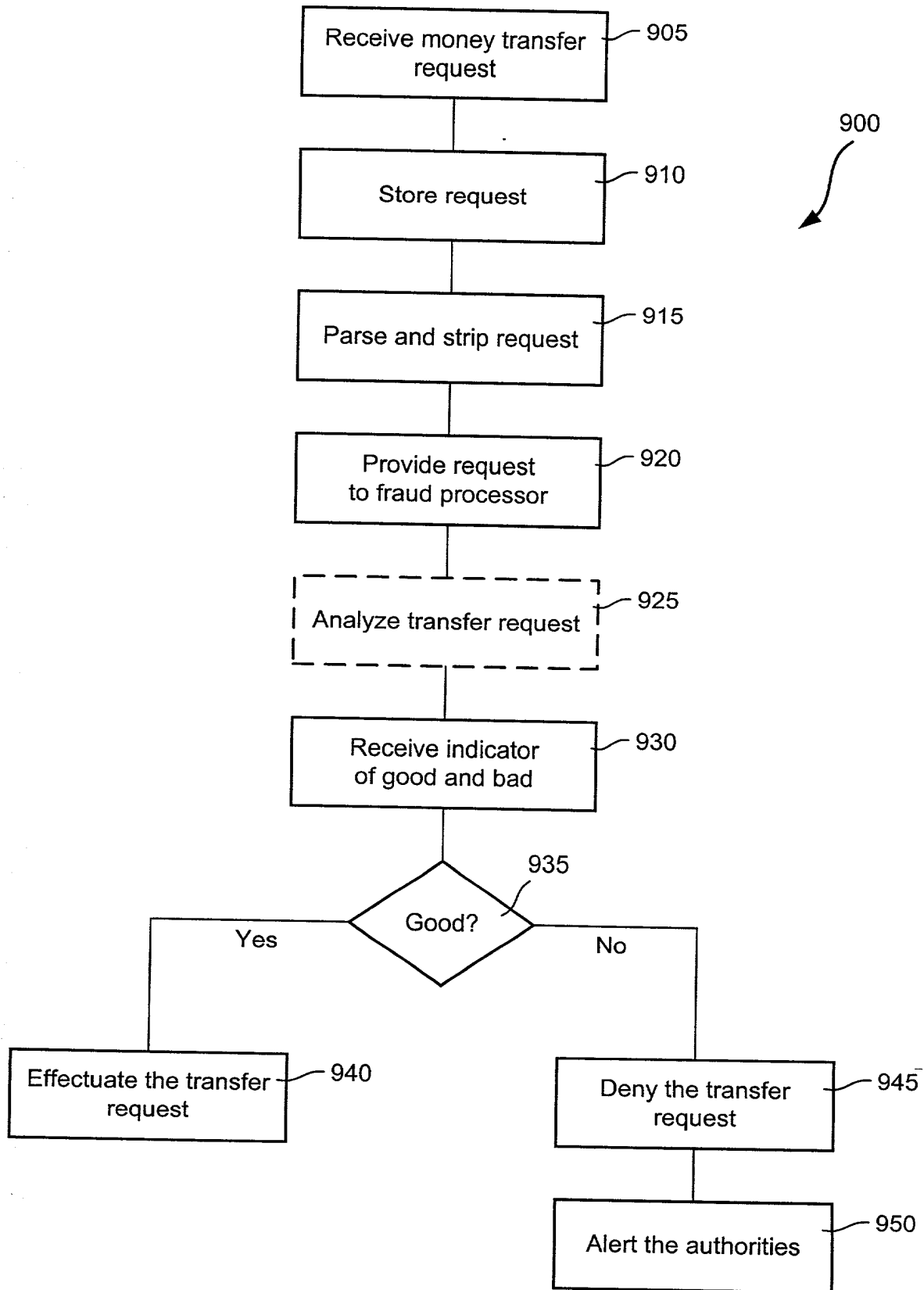


FIG. 9a

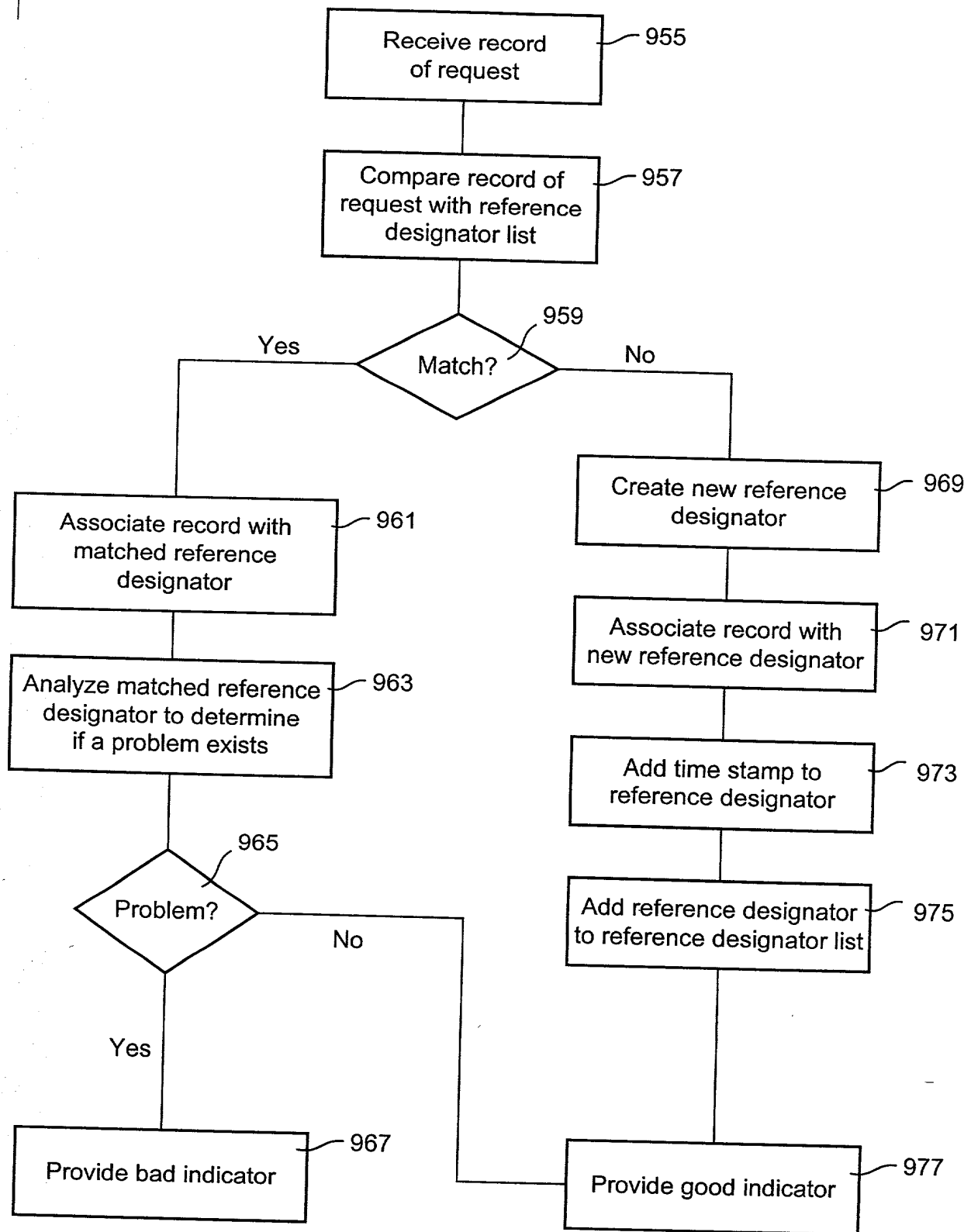


FIG. 9b

FIG. 10

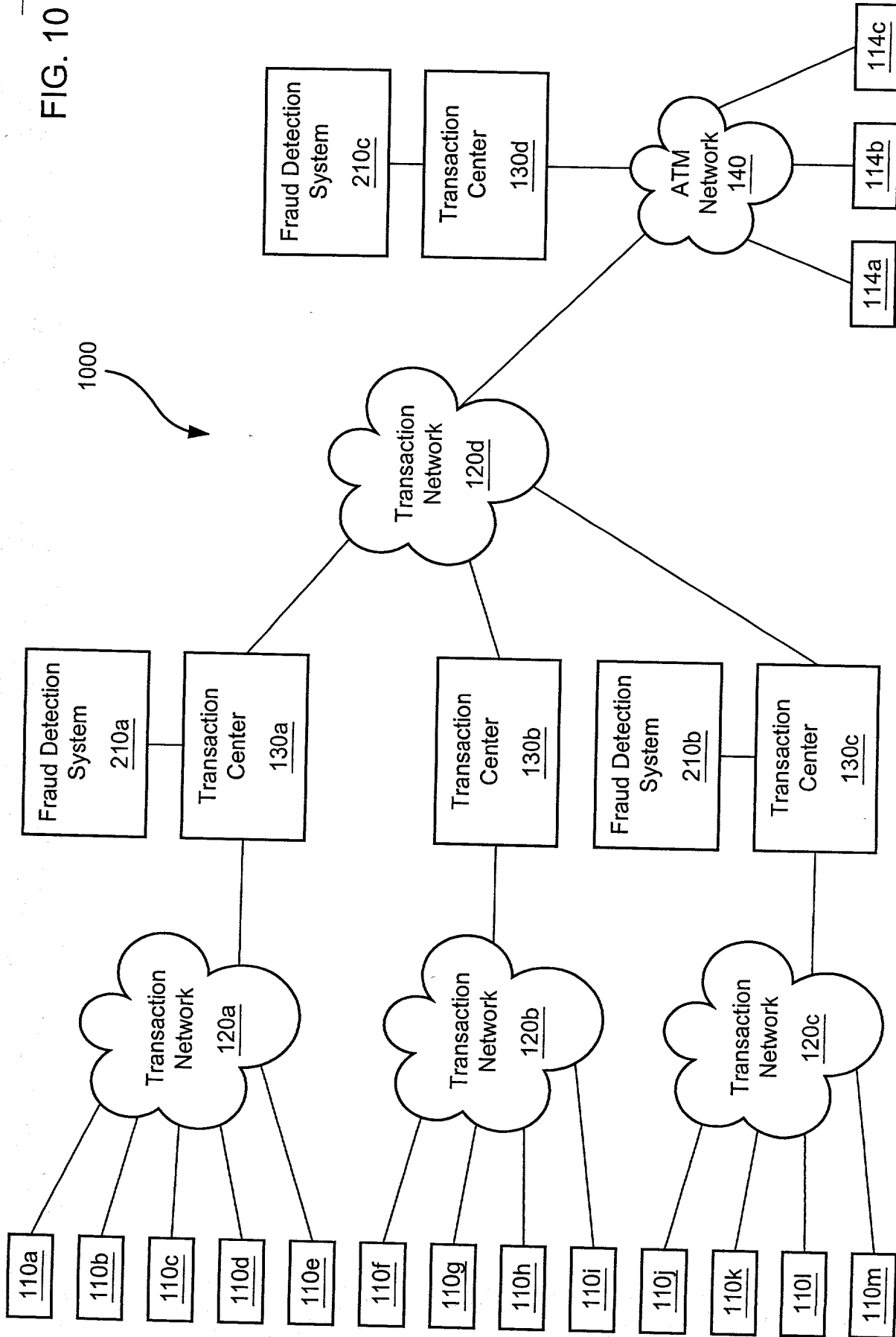


FIG. 11 is a block diagram of a user interface for a system. The interface includes a main menu 1100 with a title bar 1135. The menu is organized into categories 1140, 1145, and 1155. Category 1140 includes options 1105 (SDAAS), 1125 (MTAA), and 1150 (KGN). Category 1145 includes options 1110 (MDAAS), 1115 (SSSR), and 1160 (KBN). Category 1155 includes options 1120 (SDAAP), 1165 (SSMR), and 1170 (KGP). There are also options 1190 (MDAAP), 1195 (MSSR), and 1175 (KBP) at the bottom. An 'Exit' button 1175 is located at the bottom right of the menu.

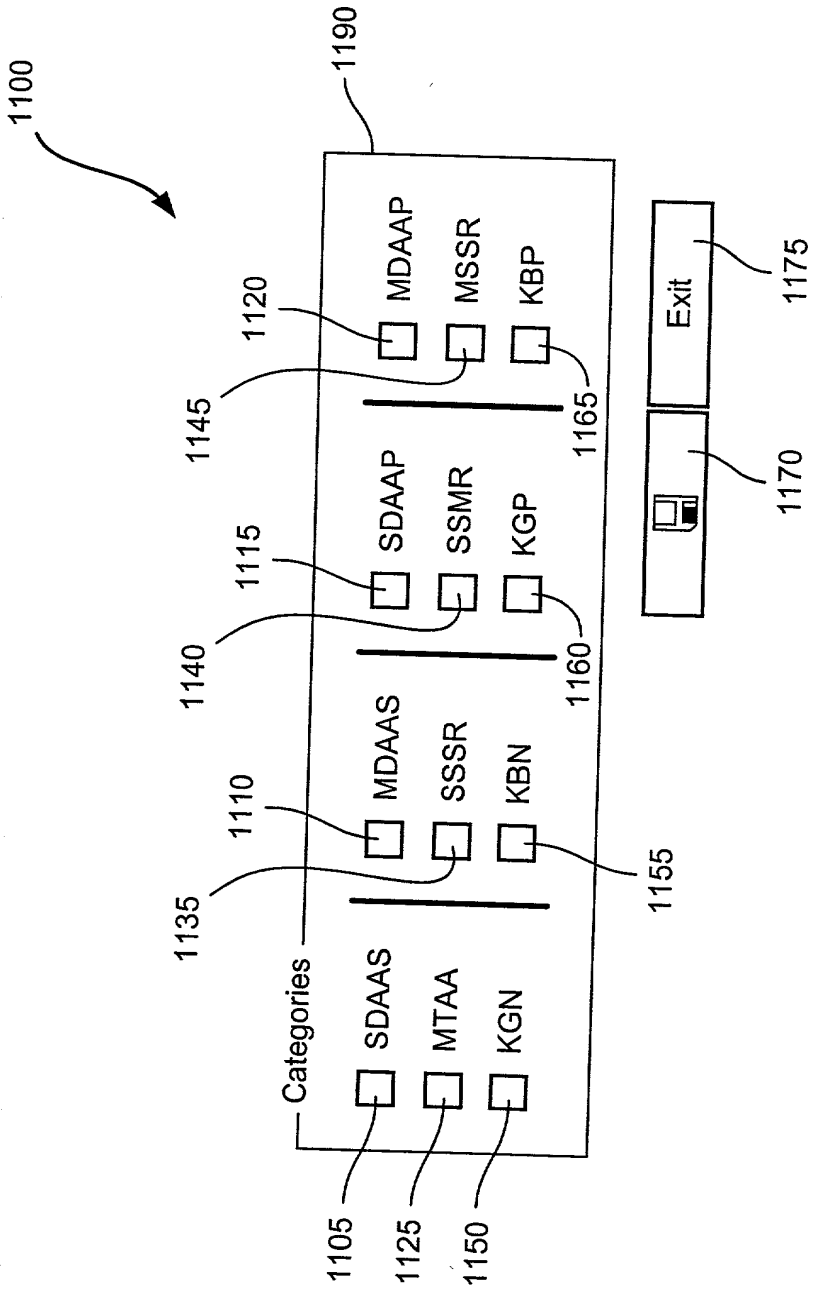


FIG. 11